

Form PTO-1449
(REV. 6-89)U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Library's Doclet Number

*14

Patent Number

4,912,155 714441

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Ethyl Corporation

Issue Date: March 27, 1990

Group Art Unit

122

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DDH	4 1 3 6 0 4 1	1/23/79	Lenack			
DDH	4 2 5 9 4 9 2	3/31/81	Rasberger			
DDH	4 3 7 4 2 1 9	2/15/83	Spivack			
DDH	4 0 3 2 6 0 2	6/28/77	Mazour			
DDH	3 0 1 4 9 5 0	12/26/61	Birum			
DDH	3 7 0 2 8 7 8	11/14/72	Saito			
DDH	3 2 5 4 0 5 0	5/31/66	Baranauchas	558	96	
DDH	3 2 8 1 5 0 6	10/25/66	Shepard	558	96	
DDH	4 0 9 4 8 5 5	6/13/78	Spivack	558	195	
DDH	4 2 3 3 2 0 7	11/11/80	Spivack	558	195	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
DDH	7 8 7 4 1 2	1/4/79	USSR (VERSHININ)			X	
DDH	8 5 9 3 6 9	1/15/80	USSR			X	
DDH	1 1 5 9 0 7 8	12/20/83	Canada				
DDH	3 9 8 5 7 4	9/27/73	USSR (Kim)			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DDH	A	Odorisio, Pastor and Spivack, "Reaction of Seven- and Eight Membered Cyclic Phosphorochloridites With Alkanalominers", Phosphorus and Sulfur, 1984, Vol. 19 pp. 9-10
	B	Odorisio, Pastor, Spivack and Steinhuebel, "12H-DIBENZOL[1,1',3,2']DIOXAPHOSPHOCINS: Synthesis and Evidence for Long-Range Coupling to Phosphorus", Phosphorus and Sulfur, 1983, Vol. 15, pp. 9-13
DDH	C	Kulakova, et. al., "Esters of Alkylfluorophosphonous Acids", J. of General Chemistry of the U.S.S.R., V. 39, No. 3, March 1969

EXAMINER

D. Daus

DATE CONSIDERED

25 Sep 91

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 608; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner

